IKA

designed for scientists

MultiDrive control MT Package

/// Data Sheet

Crushing without cross-contamination - this is possible with the MultiDrive control package including autoclavable disposable tubes MT 150 for dry samples.

MT 150 is a disposable tube with a typical stainless steel beater. The plastic milling tube can be autoclaved. This effectively prevents cross-contamination even if it is used multiple times. An integrated RFID chip simultaneously stores and limits the lifespan of the milling tube. 5 spare seals are included in the scope of delivery. By replacing the seal, the service life of the milling tube can be extended. The disposable tube can only be operated with the TC 1 protective housing which is also included in the scope of delivery.

designed for scientists

MultiDrive control universal crusher can perform a wide range of crushing tasks involving coarse and fine crushing, thanks to the variety of vessels available. There is a USB interface available for easy actuation and documentation.

High performance
Excellent crushing performance is guaranteed by a combination of variable rotational speeds, ranging from 3000 rpm to 20 000 rpm, and a 1000 Watt output.

Interval operation
The option of interval programming is simple to activate at the press of a button. Interval operation is an asset during the coarse
crushing of hard samples or for extra thorough blending.

TFT-display
A clear TFT-display guarantees user-friendly operation.

Weighing function
The weighing function is also integrated into the user-friendly workflow of IKA MultiDrive control. Weighing is performed before crushing using the same mixing vessel, so that no transfer of contents is required.

Variety of vessels (accessories)
MultiDrive offers the right container for every grinding task. For MultiDrive control, milling chambers (MI) for dry grinding, blending vessels (BL) for wet grinding, dispersing vessels (DI) with rotor-stator system as well as autoclavable milling tubes (MT 150) and blending tubes (BT 250) made of plastic are available. The vessels are not included in the scope of delivery.

Scope of delivery
•IKA MultiDrive control
•MultiDrive TC 1 Protective housing
•MultiDrive MT 150.5 Milling tube, autoclavable

IKA

designed for scientists

Technical Data

Process type	batch
Operating principle	cutting/impact/blending/dispersing
Motor rating input [W]	1000
Motor rating output [W]	800
Speed range [rpm]	3000 - 20000
Speed deviation [%]	±5
Power-ON time [min]	5
Power-OFF time [min]	10
Motor principle	Brushless DC
Display	TFT
RFID reader/writer unit	yes
Temperature display	yes
Temperature measurement resolution [K]	0.1
Accuracy of temperature measurement [K]	±1
Temperature limit min. [°C]	-50
Temperature limit max. [°C]	120
Monitoring maintain time	yes
Weighing function	yes
Weighing range [g]	5 - 4000
Weighing resolution [g]	1
Load capacity weighing function max. [kg]	4
Weighing accuracy	±(0.3%+2) g
Vessels detection	yes
Ramp programming	yes
Dimensions (W x H x D) [mm]	300 x 350 x 250
Weight [kg]	8.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 31
USB interface	Micro-USB
WPAN interface	yes
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	1000